Recovery Kernel

[illegible]: GHB / GBL / 1,4-BD

[illegible], [illegible] - [illegible]

[illegible] '[illegible]' [illegible]. [illegible]. [illegible] GHB [illegible], [illegible], [illegible] (delirium) [illegible]. [illegible] - [illegible], [illegible], [illegible]. [illegible].

[illegible] 0 — [illegible]: [illegible]

[illegible]

[illegible] GHB, GBL [illegible] 1,4-BD [illegible], [illegible]. [illegible] 2-6 [illegible], [illegible] 12-72 [illegible], [illegible]/[illegible], [illegible]. [illegible], [illegible].

[illegible] - [illegible]:

- [illegible], [illegible]
- [illegible], [illegible] - [illegible].
- [illegible], [illegible] ([illegible])
- [illegible]

⚠ [illegible]

GHB overdose [illegible] (Naloxone) [illegible] ([illegible], [illegible]) GHB

[illegible] FDA-[illegible]approved [illegible]il [illegible]. [illegible] GHB [illegible]. [illegible] 8 [illegible].

[illegible] — [illegible]

[illegible]	[illegible]
[illegible]	GHB [illegible] 30-60 [illegible]. [illegible] 2-6 [illegible] - [illegible] (6-24 [illegible]) [illegible] (12-48 [illegible]) [illegible]. '[illegible]' [illegible] '[illegible]' [illegible].
[illegible]	[illegible] — [illegible], [illegible] (GBL [illegible] 1,4-BD [illegible] GHB [illegible]), [illegible].
[illegible]	[illegible]. GHB [illegible] (withdrawal) [illegible], [illegible], [illegible] — [illegible].
[illegible]	[illegible], [illegible]. [illegible]. GHB [illegible] FDA-[illegible] — [illegible] ([illegible]-[illegible], GHB [illegible]) [illegible]-[illegible], [illegible].

[illegible] 2 — [illegible]

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]-[illegible] ([illegible] — [illegible])	GHB [illegible]; GABA-B [illegible] Ligand [illegible]; [illegible]; HPA [illegible]	[illegible], [illegible], [illegible], [illegible], [illegible] - [illegible].	[illegible] ([illegible], [illegible] 8) [illegible]. [illegible]

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[illegible]	[illegible]	[illegible]	[illegible]
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[illegible] 12-18+	[illegible] GABA-B [illegible] [illegible] [illegible]	[illegible] [illegible] [illegible] - [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible].	[illegible] [illegible] [illegible] [illegible] [illegible]; [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible].

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GABRA2	GABA-A □□□□□□□□□ □□□□□-2 □□□□□ - □□□□□□ □□□□□□□□□ □□□□□□	GHB □□□□□□□□□ □□□□□□ □□□□□□□□□ □□□□. □□□□□□□ □□□□□ □□□□□□□ □□□□□□ □□□□□□□□□□□ □□□□□ □□□□□□ □□□ □□□□□□□□□ □□□□□□□□□□□□ □□□□□□□□□□, □□□□□ GHB □ □□□□□ □□□□□□□□□□□□□ □□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□. □ □□□□□□□□ □□□□□ □□□□□□□□ GABA □□□□□□□□□□□, □□□□□□□ □□□□□ PAWS, □□□□□ □□□□□□□ □□□□ (not optional) □□□□□□□□ GABA □□□□□□□ □□□□□□ — □□□□□ 9 □□□□.
GABBR1 / GABBR2	GABA-B □□□□□ □□□□□□□ — □□□□□□□□□□ GHB □□□□ □□□□ □□□□□□□□□□□□□□□ □□□□□□□□□	GHB □□ □□□□□□□□□□□□□ □□□□□□ □□□□□ □□□□□□□, GABRA2 □ □□□□□□□□□/□□□□□□□□□□□ □□□□ □□□□□□□□□ □□□□□□□□□□. □□□□□□ □□□□□□□□□□ GHB □□ □□□□□□□□ □□□□□□□□□ □□□□□ □□□□□□□□□ □□□□□□□□□□ GABA-B □□□□□□□□□□□□□ □□□□□□□□□□□□□□□□.

[illegible]	[illegible] [illegible] [illegible]	**GHB** [illegible] [illegible]
		[illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].
COMT (Val158Met)	[illegible] [illegible] [illegible] [illegible] [illegible]	Met/Met ('Sage,' [illegible] [illegible]) [illegible] [illegible] GHB [illegible] [illegible] [illegible] — [illegible] GABA-B [illegible] [illegible] [illegible] [illegible] [illegible]. Val/Val ('Warrior') [illegible]/[illegible] [illegible] [illegible] [illegible] [illegible], [illegible] GHB [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible]: Sage [illegible] [illegible] [illegible]; Warrior [illegible] [illegible] [illegible] [illegible].
MTHFR	— [illegible] [illegible]	GHB [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. 5-MTHF [illegible] [illegible] [illegible] [illegible], [illegible] [illegible]. GHB [illegible] [illegible] [illegible] B- [illegible], [illegible] [illegible] [illegible] [illegible], [illegible].
DRD2 / ANKK1 (Taq1A)	[illegible] [illegible]2 [illegible] [illegible] — [illegible] [illegible] [illegible]	[illegible] [illegible] [illegible] [illegible] [illegible], [illegible] GHB [illegible] [illegible] [illegible] RDS [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] GHB ([illegible] [illegible] [illegible]) [illegible] [illegible] [illegible] [illegible] [illegible].
SLC6A4 (5-HTTLPR)	[illegible] [illegible]	[illegible]/[illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] GABAergic [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] GABA [illegible] [illegible] — 5-HTP [illegible] 5-MTHF [illegible] [illegible].

[illegible]	[illegible] [illegible] [illegible]	**GHB [illegible]**
CYP2C19 / CYP3A4	GHB [illegible] [illegible] [illegible]	[illegible] 8 [illegible] [illegible] [illegible] [illegible] - [illegible] [illegible] [illegible] [illegible]; [illegible]- [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].
ADH1B / ALDH2	[illegible] 1,4-[illegible] метаболизм	[illegible] 1,4-BD [illegible] [illegible] — ADH/ALDH [illegible] 1,4-BD [illegible] [illegible] GHB [illegible]. ALDH2*2 [illegible] 1,4-BD [illegible] [illegible]- [illegible] [illegible] [illegible] [illegible] [illegible]; [illegible] [illegible] [illegible] [illegible] [illegible].

[illegible] [illegible] [illegible] [illegible] - [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]: [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible], [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

[illegible]	[illegible] [illegible]	[illegible]
[illegible] GHB [illegible] [illegible] [illegible] [illegible]?	GABRA2 [illegible] [illegible] + COMT Met/Met ('Sage')	[illegible] [illegible] GABAergic [illegible] [illegible] [illegible] [illegible] '[illegible] [illegible]' [illegible]: [illegible] [illegible] [illegible] (GABRA2) [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] (Met/Met). GHB [illegible], [illegible] [illegible] [illegible] [illegible] — [illegible] [illegible], [illegible] GHB [illegible] [illegible] [illegible] [illegible], [illegible] [illegible].
[illegible] [illegible] [illegible], [illegible]	GABRA2 [illegible] [illegible] + GABBR1/GABBR2	[illegible] [illegible] [illegible], [illegible].

[illegible]	[illegible] [illegible]	[illegible]
[illegible] [illegible] [illegible] [illegible]?	[illegible]	GABRA2 [illegible] [illegible] [illegible] [illegible]; GABBR1/GABBR2 [illegible] [illegible] [illegible] GHB [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] PAWS [illegible] [illegible].

⚠ [illegible]

COMT [illegible] [illegible] [illegible] [illegible] [illegible] — [illegible] [illegible] [illegible] GABA [illegible] [illegible], [illegible] [illegible] [illegible]. COMT [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. Met/Met ('Sage') [illegible] GHB [illegible] [illegible] [illegible], [illegible] [illegible] GABRA2/GABBR [illegible] [illegible] [illegible] [illegible] [illegible] — [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ([illegible] GHB [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]). Val/Val ('Warrior') [illegible], [illegible] [illegible] [illegible]/[illegible]-[illegible] [illegible], [illegible] [illegible] [illegible] [illegible] - [illegible] [illegible], [illegible] [illegible] [illegible] [illegible]выпуск[illegible]. [illegible] [illegible] [illegible] [illegible] [illegible]; [illegible] [illegible] [illegible] [illegible].

[illegible] 6 — [illegible] [illegible]

[illegible]	[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]	Sodium oxybate ([illegible] GHB) [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] (modafinil, armodafinil, solriamfetol, pitolisant) [illegible]. [illegible] [illegible] [illegible] [illegible], [illegible] [illegible]-[illegible] [illegible].

[illegible]	[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] GHB	[illegible] [illegible] [illegible] GHB [illegible] [illegible] — [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible]. [illegible] [illegible] GHB [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] overdose [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].
[illegible] [illegible] / [illegible] [illegible] Growth Hormone [illegible]	GHB [illegible] [illegible], [illegible] [illegible] [illegible] growth hormone [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] — [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]-[illegible] [illegible] [illegible]. [illegible] GHB [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]: [illegible] [illegible], [illegible] [illegible], [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] 1 [illegible] [illegible] 4 [illegible] [illegible] — [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] (Recovery) [illegible] [illegible] [illegible] growth hormone axis [illegible] [illegible] — [illegible] GH-[illegible] [illegible] (HIIT [illegible]) [illegible] [illegible] [illegible]; [illegible] [illegible] [illegible] GH-[illegible] peptides (ipamorelin [illegible]) [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] (reframe) [illegible] [illegible] [illegible]: [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] - [illegible] [illegible] [illegible] [illegible].
[illegible] [illegible] [illegible] [illegible] [illegible]	[illegible] GHB [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] — [illegible] [illegible], [illegible] [illegible] [illegible], [illegible] MDMA, [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] 1 [illegible] '[illegible]' [illegible] [illegible] [illegible] [illegible] [illegible]: [illegible] [illegible] [illegible] GHB [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible]-[illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] - [illegible] [illegible]

[illegible]	[illegible] [illegible] [illegible]
	[illegible], [illegible] GHB overdose [illegible] [illegible] [illegible]

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- [illegible] [illegible] GABA [illegible] [illegible] [illegible] [illegible], [illegible] [illegible], [illegible] [illegible].
- [illegible] [illegible], [illegible] [illegible] [illegible] - [illegible] [illegible] [illegible] [illegible].
- [illegible] [illegible] [illegible] [illegible] 2 [illegible] [illegible] 4 [illegible] [illegible] [illegible]/[illegible] [illegible] [illegible].
- GHB [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] (P5P [illegible] 5-MTHF [illegible]) [illegible] — [illegible] [illegible] 1 [illegible] [illegible] [illegible].

[illegible] [illegible] [illegible]: [illegible] GABA [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] - [illegible] [illegible] [illegible], [illegible] [illegible]. GHB [illegible] [illegible]: [illegible], [illegible] [illegible], [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] - [illegible] [illegible] GABA [illegible].

[illegible]	**GABA** [illegible]	**GHB-**[illegible]
[illegible] (4-7-8, [illegible], [illegible])	[illegible] — [illegible]/[illegible] [illegible]/GABA[illegible] [illegible]	[illegible] GABA [illegible]. [illegible] - [illegible] [illegible] GABA [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible].
[illegible] [illegible]	[illegible] — [illegible]	[illegible], 30-90 [illegible], [illegible] [illegible] [illegible] [illegible].

[illegible]	**GABA [illegible]**	**GHB-[illegible]**
	[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]	GHB [illegible] '[illegible] [illegible]' [illegible], [illegible] [illegible].
[illegible] [illegible]	[illegible], [illegible] [illegible]	[illegible] [illegible] [illegible] - [illegible] [illegible] [illegible] GABA/[illegible] [illegible] [illegible] [illegible] [illegible].
60-70 BPM [illegible]	[illegible] — [illegible] [illegible]	[illegible] [illegible] [illegible] [illegible]; [illegible] [illegible] [illegible] [illegible].
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[illegible] [illegible] — [illegible] [illegible] [illegible]-[illegible] [illegible]

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[illegible] [illegible] ([illegible] [illegible] 0-7)	[illegible] [illegible] / [illegible] - [illegible] [illegible]	[illegible] [illegible], [illegible] [illegible] [illegible], [illegible], [illegible] [illegible]. [illegible] 9 [illegible] [illegible] [illegible] [illegible] [illegible].
[illegible] [illegible] (6 [illegible] 1-14)	[illegible] [illegible], [illegible], [illegible]	[illegible], [illegible]6, [illegible] [illegible], [illegible] [illegible], [illegible], [illegible] — [illegible]-[illegible] [illegible] [illegible] [illegible], [illegible] [illegible].
[illegible] [illegible] (4 [illegible] 1-4)	[illegible] [illegible] [illegible], [illegible] [illegible]	GABRA2 [illegible] [illegible] - [illegible] [illegible] [illegible] [illegible], [illegible] [illegible], [illegible] PAWS [illegible] [illegible].
GABA [illegible] (4 [illegible] [illegible]-[illegible], [illegible] [illegible])	[illegible] [illegible] 04, [illegible] 01 [illegible] [illegible]	[illegible] [illegible] (), [illegible] [illegible] ([illegible]), [illegible], [illegible] [illegible], [illegible] — [illegible] 3-6 [illegible], [illegible] [illegible] [illegible] 4-8 [illegible].
[illegible] [illegible] [illegible] [illegible] (4 [illegible] 2-12)	[illegible] [illegible] [illegible], [illegible], [illegible], [illegible]	[illegible] [illegible], [illegible] [illegible] [illegible], [illegible] [illegible] — [illegible] [illegible] [illegible] [illegible] (4 [illegible], , [illegible] [illegible]) [illegible] [illegible] [illegible]-[illegible] [illegible]; [illegible] [illegible] [illegible] [illegible] [illegible].
[illegible] [illegible], [illegible] [illegible] (4 [illegible] 1-12)	[illegible] [illegible] [illegible] 35[illegible] [illegible], [illegible] [illegible]	/[illegible] [illegible] [illegible] [illegible], [illegible] [illegible], [illegible] LGBTQ+ [illegible] [illegible] - [illegible] [illegible] 6 [illegible].
[illegible] [illegible] [illegible] (4 [illegible] 2-12)	Compendium [illegible] [illegible], [illegible], [illegible], [illegible]-[illegible]	[illegible] 2-3 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]—[illegible] 4 [illegible] [illegible] [illegible]/[illegible] [illegible] [illegible].
[illegible] [illegible] (6-18+)	[illegible] [illegible] [illegible], [illegible], [illegible]-[illegible], [illegible]-[illegible]	[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] GABA [illegible] — [illegible] 3 [illegible], [illegible] [illegible] [illegible],

[illegible]		[illegible]
		[illegible] [illegible] [illegible].

[illegible] [illegible] — [illegible]

[illegible]

[illegible] [illegible] [illegible] [